FAST FUEL FACTS Ethanol

FUEL DESCRIPTION

◆ Liquid produced from grain or agricultural waste. E85 (blend of 85% denatured ethanol and 15% gasoline) is for light-duty applications, while E95 (blend of 95% denatured ethanol and 5% gasoline) is for heavy-duty applications. Light-duty applications for pure ethanol are under development.

DOMESTIC CONTENT OF FUEL

◆ Based on Energy Policy Act definition, currently as high as 100% for pure ethanol, depending on world market price.





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This document has been reviewed by selected representatives of vehicle manufacturers, fuel providers, fleet operators, and federal and state governments. A technical review committee has also reviewed the publication.



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FUELING

◆ Fueling is the same as with gasoline or diesel fuel.

FUEL AVAILABILITY

- Fueling station availability is currently sparse: primarily in the upper Midwest, Washington, D.C., and California. Contact sources on back.
- ◆ E95 is available only through bulk suppliers.

VEHICLE EXPERIENCE AND AVAILABILITY

- More than 400 vehicles configured specifically for E85 or E95 are in use. Methanol-compatible vehicles can be modified to use ethanol with relative ease.
- Chrysler offers E85 flexible-fuel Dodge Intrepid sedans in model year 1995.
- ◆ Ford offers 125 E85 flexible-fuel Taurus sedans in model year 1995; more expected in 1996.

OPERATIONAL PERFORMANCE

- Has slightly lower driving range than comparable gasoline vehicle.
- Power, acceleration, payload, and cruise speed are comparable to those for equivalent internal-combustion engine.

MAINTENANCE

- Use special lubricants available by direct order from supplier (slight cost premium over standard motor oils).
- ◆ Use E85-compatible replacement parts (that is, identify E85 as fuel when ordering).
- Maintenance assistance is available from local dealers; practices are very similar, if not identical, to those for conventionally fueled operations.

SAFETY

◆ Training is required to operate and maintain vehicles.

COSTS

- ◆ E85 fuel costs about twice what gasoline costs.
- ◆ E85 vehicle costs up to \$250 greater than gasoline-fueled vehicle, due to special fittings.

FOR MORE INFORMATION, CONTACT:

- ◆ Renewable Fuels Association (202/289-3835)
- ◆ Clean Fuels Development Coalition (301/913-3633)
- ◆ American Biofuels Association (703/522-3392)
- ◆ National Association of Fleet Administrators (908/494-8100)
- ◆ National Alternative Fuels Hotline (800/423-1DOE)

Produces

Less Air Toxics

and Ozone-Forming

Emissions than

Gasoline

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